

To Apply:

- Get a price quote from your vendor or salesperson and estimate the project installation schedule.
- Obtain project application forms from the Environmental Science and Services Division (ESSD) or the P2 Loan website. ESSD staff are available to assist with the application process.
- Estimate fuel savings and emission reductions from your project.
- Work with your lender.
 - Talk to your lender about your loan and credit worthiness. Your lender can be an in- or out-of-state bank, thrift, or credit union.
 - Fill out a loan application available through your lender. Fill out a project application available from the Michigan Department of Environmental Quality (DEQ).
 - Your lender reviews your credit rating and establishes the terms and conditions of the loan.
- Send your project application request to DEQ for project eligibility determination.
- Upon project approval, finalize your loan agreement with your lender and begin your project.
- Submit a summary of your successful project to ESSD once it is completed.



The Michigan Department of Environmental Quality (MDEQ) will not discriminate against any individual or group on the basis of race, sex, religion, age, national origin, color, marital status, disability, or political beliefs. Questions or concerns should be directed to the Office of Human Resources, PO Box 30473, Lansing, MI 48909.



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Pollution Prevention is Good Business

According to the EPA's SmartWay Transport Partnership:

- By using wide-base tires, a combination long-haul truck could save over 400 gallons of fuel per year and cut emissions of carbon dioxide (the most common greenhouse gas) by more than four metric tons annually.
- Trimming 3,000 pounds from a heavy truck by using lighter weight components could improve fuel economy by up to 3 percent and save between 200 and 500 gallons of fuel each year. Saving this much fuel would eliminate from 2 to 5 metric tons of greenhouse gas emissions per year.
- Automatic tire inflation systems can extend tire life by 8 percent or more. For a typical long-haul combination truck, annual fuel savings could reach 100 gallons, saving \$170 in fuel costs and eliminating 1 metric ton of greenhouse gas emissions.
- Trimming just 1 percent of empty miles from one long haul truck can save over 100 gallons of fuel, cut greenhouse gas emissions over 1 metric ton, and increase ton-miles by nearly 20,000 per year.
- Using a streamlined profile tractor with aerodynamic devices can reduce fuel costs by over \$800 and eliminate over 5 metric tons of carbon dioxide per year compared to a classic profile tractor.

FOR INFORMATION CONTACT:

**Michigan Department of Environmental Quality
Environmental Science and Services Division
P.O. Box 30457
Lansing, MI 48909-7957
800-662-9278**

Small Business Pollution Prevention Loan Program
www.michigan.gov/deqp2loan

Small Business Pollution Prevention Loans and Michigan Diesel Fleet Owners



**With loans available
at 5% interest or less. . .
. . .now is the perfect time for your
fleet to employ pollution prevention**



Jennifer M. Granholm, Governor
Steven E. Chester, Director
800-662-9278 • www.michigan.gov/deq



Fuel is the second largest expense behind labor for most trucking companies. Find out how the Small Business Pollution Prevention Loan Program can help you employ fuel reduction technologies for your fleet.

If your business . . .

- Is independently owned and operated
- Is not dominant in its field, and
- Employs 500 people or less,

. . . you may be eligible for a Small Business Pollution Prevention Loan.



The Small Business Pollution Prevention Loan Program is accepting applications from small businesses for pollution prevention (P2) loans up to

\$400,000 at an interest rate of 5 percent or less. The DEQ works with the lending institution of your choice through a 50-50 loan participation arrangement. The loan is funded directly to you from the lending institution.

Small businesses and single-owner operators benefit from the loan program with reduced finance costs for pollution prevention changes to their fleets. Most importantly, pollution prevention **SAVES MONEY** and is the preferred method for improving the environment.

Use the **SmartWay Technology Package Savings Calculator** at www.epa.gov/smartway to estimate the payback period for your fleet's pollution prevention upgrades.

Potential Diesel Fleet Projects

Idle Reduction

Several technologies and practices can be used to assist drivers in reducing truck idling. The use of one of several idle control technologies, such as cab heaters and auxiliary power units that provide heat, air conditioning, and electrical power, can minimize fuel consumption.

Improved Aerodynamics

Truck tractors can be fitted with aerodynamic devices including a roof fairing, cab extenders, and side fairings. Trailer aerodynamics can be improved by reducing the tractor-trailer gap and by securing loose tarpaulins.

Automatic Tire Inflation Systems

Automatic tire inflation systems monitor and continually adjust the level of pressurized air to tires, maintaining proper tire pressure even when the truck is moving. Automatic tire inflation systems can extend tire life by 8 percent and can reduce fuel consumption by over 100 gallons per year for a typical combination truck.

Wide-base Tires

Wide-base tires on trucks can reduce rolling resistance and improve fuel economy by 2 percent or more compared to equivalent dual tires. A single wide-base tire costs about the same as two equivalent dual tires, and a single wide-rim wheel costs less than two standard wheels.



Weight Reduction

Truck tractors can reduce weight by using components such as cast aluminum alloy wheels and aluminum axle hubs. The potential for weight savings is even greater in the truck trailer, using lightweight components such as aluminum roof posts, upright posts, and floor joists. Lightweight components can reduce truck weight by as much as 3,000 pounds, thereby improving fuel efficiency.

Improved Freight Logistics

Trucking companies can make use of routing and scheduling software to structure more efficient truck routes.



Small Business Pollution Prevention Loan Program

www.michigan.gov/deqp2loan